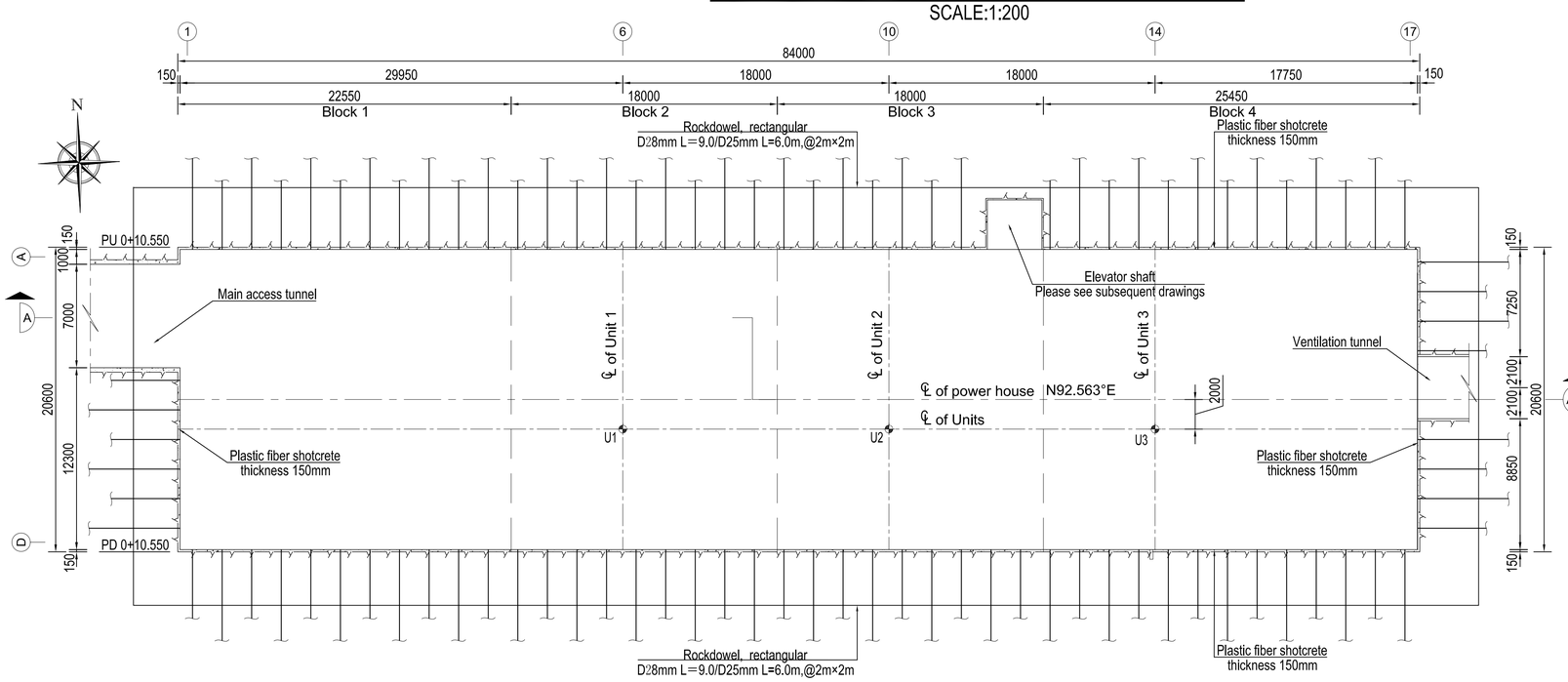
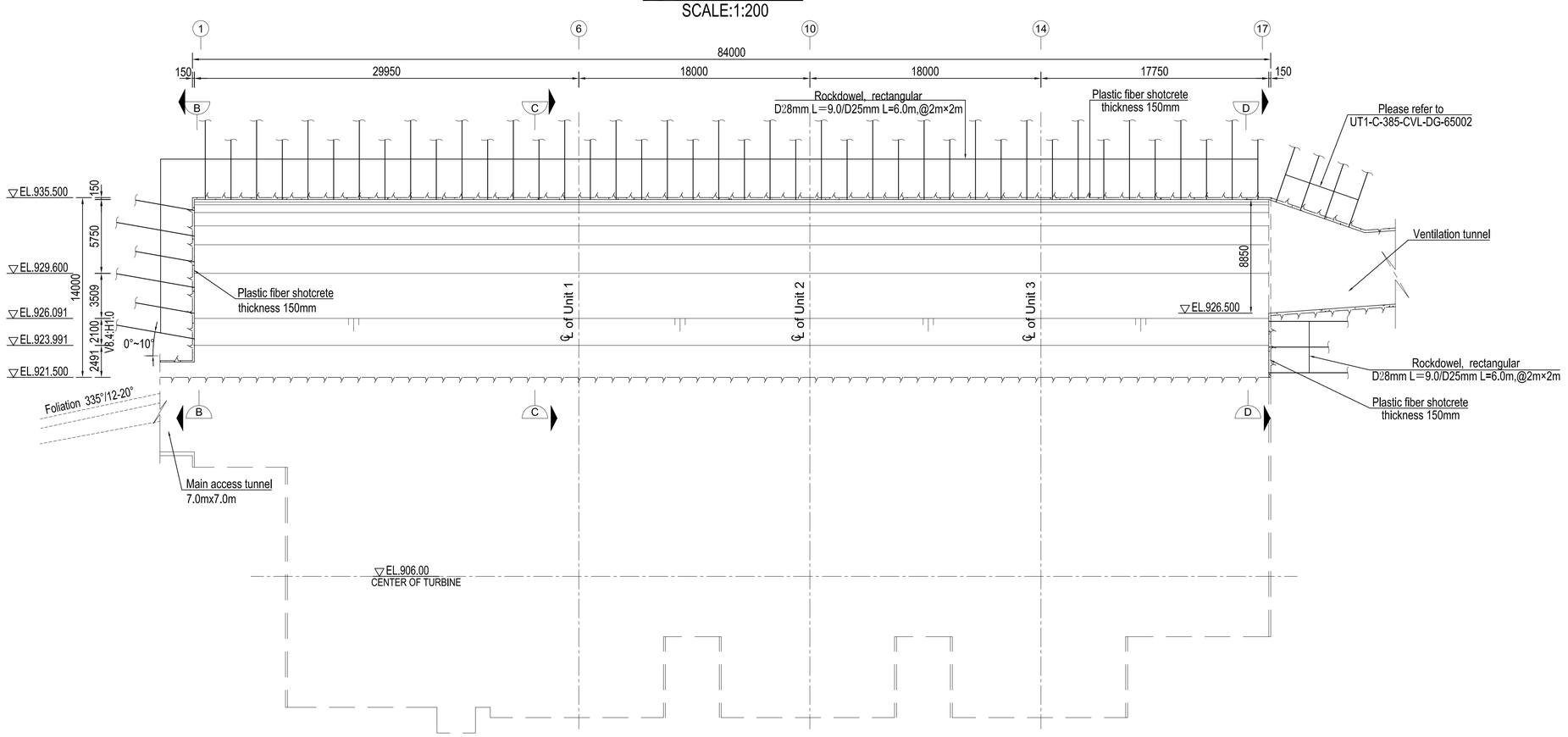
TOP VIEW OF POWERHOUSE AT EL.921.5

SCALE:1:200

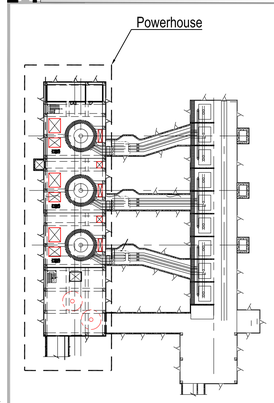


SECTION A-A

SCALE:1:200



KEY PLAN



NOTE

1. All dimensions are in millimeters, and coordinates, chainages & elevations are in meters.
2. As per available information at present, rock class of underground powerhouse is assumed as II or III, supports shown on this set of drawings are applied to class II only.
3. Symbol description:
   R-denotes round bar, yield strength is 280MPa.
   D-denotes deformed bar, yield strength is 500MPa.
4. The cylinder specified compressive strength of shotcrete at 28 days is 25MPa.
5. Outline below EL.925.10m is only sketched and is subjected to final design of powerhouse.

Scale: 1:200 0 2 4 6 8 10m

REFERENCE DRAWINGS

UT1-C-000-CVL-DG-40001	Detailed Design Drawing of Excavation and Support for Underground Cavern
UT1-C-000-CVL-DG-64002	Excavation and Support of Access Tunnel to Powerhouse
UT1-C-385-CVL-DG-65002	Excavation and Initial Support Drawing of Investigation Tunnel for Powerhouse

SYMBOL AND LEGEND

FOR APPROVAL

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REV. NO.	DATE	DESCRIPTION	DRAWN	CHKD.	APPD.
0A	25.APR., 2022	FIRST ISSUE	DONG Z.Z.	ZHANG J.Q.	ZHANG FAN LI W.G.

PROJECT TITLE

Upper Trishuli-1 HEP (216MW)

OWNER

NWEDC NEPAL WATER AND ENERGY DEVELOPMENT CO. PVT.LTD.

OWNER'S ENGINEER

TRACTEBEL ENGIE jade CONSULT

CONTRACTOR

DOOSAN **Doosan Enerbility Co., Ltd.**

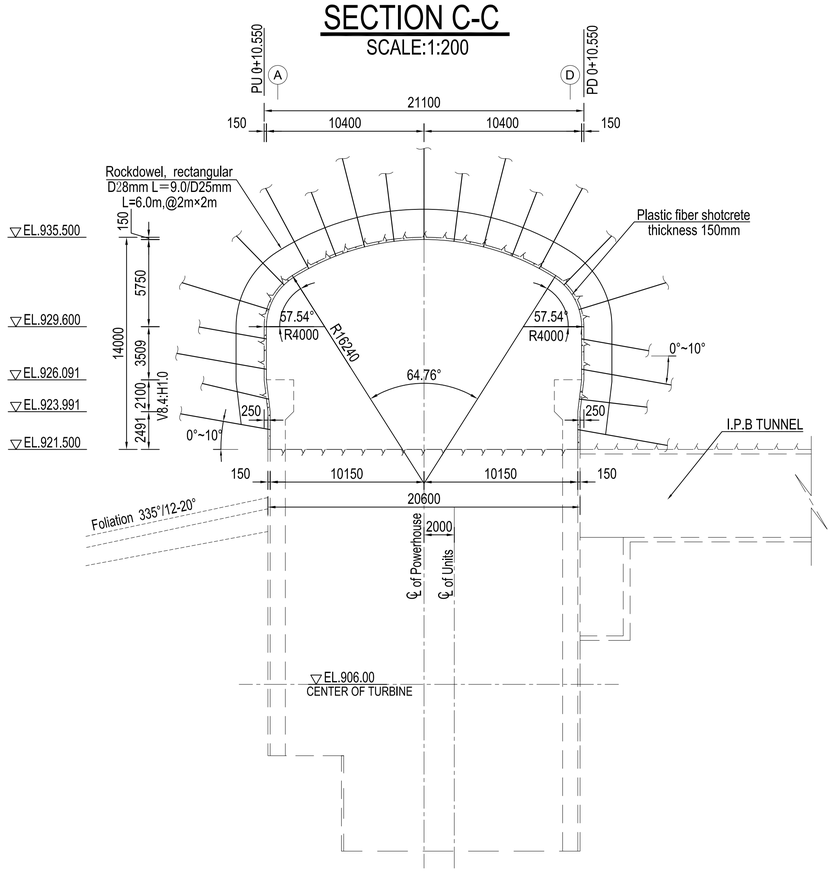
DRAWING TITLE

EXCAVATION AND SUPPORT DRAWING OF POWERHOUSE CAVERN (ABOVE EL.921.50) (1/2)

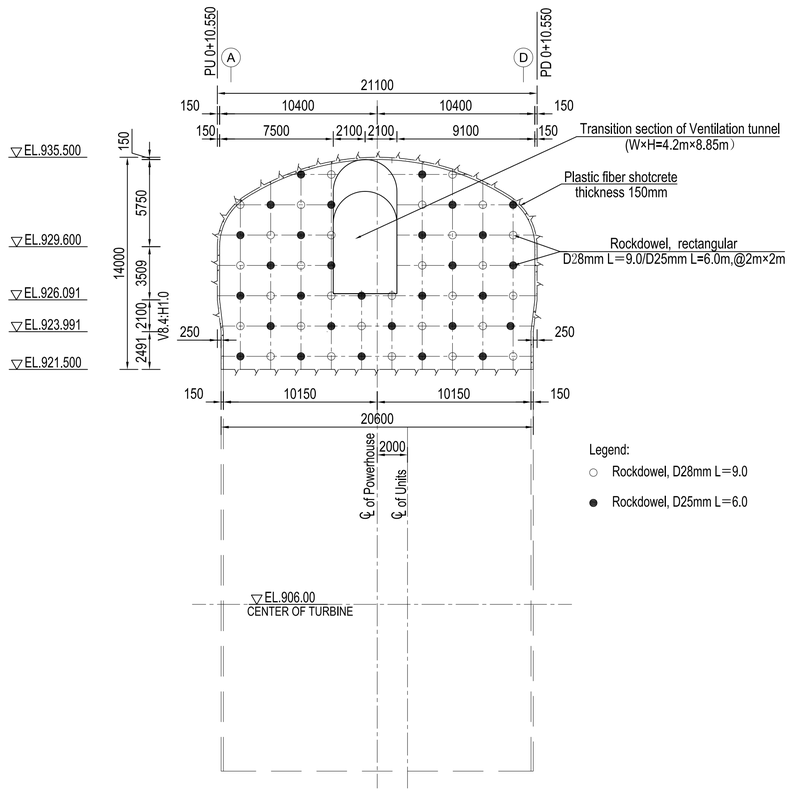
INDEX	DRAWING NUMBER	SHEET NO.	REV. NO.
A	UT1-C-300-CVL-DG-60002-01	1 OF 2	0A

A1 (594 x 841 MM)

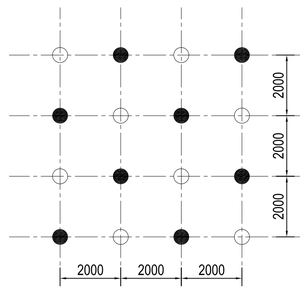
SECTION C-C
SCALE:1:200



SECTION D-D
SCALE:1:200



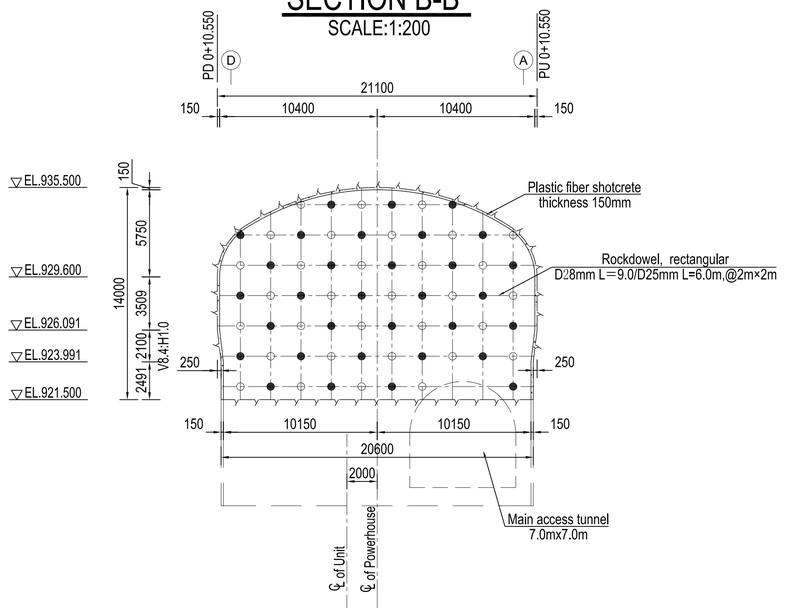
ARRANGEMENT OF ROCKBOLT
SCALE:1:100



COORDINATES OF CONTROL POINTS

No.	E(m)	N(m)	Remark
U1	619076.650	3107046.226	Center of Unit 1
U2	619094.632	3107045.421	Center of Unit 2
U3	619112.614	3107044.616	Center of Unit 3

SECTION B-B
SCALE:1:200



NOTE

1. All dimensions are in millimeters, and coordinates, chainages & elevations are in meters.
2. Other notes please refer to sheet 1.

Scale:
1:100 0 1 2 3 4 5m
1:200 0 2 4 6 8 10m

REFERENCE DRAWINGS

UT1-C-000-CVL-DG-40001	Detailed Design Drawing of Excavation and Support for Underground Cavern
UT1-C-000-CVL-DG-64002	Excavation and Support of Access Tunnel to Powerhouse
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SYMBOL AND LEGEND

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jade CONSULT

CONTRACTOR
DOOSAN Doosan Enerbility Co., Ltd.

DRAWING TITLE
EXCAVATION AND SUPPORT DRAWING OF POWERHOUSE CAVERN (ABOVE EL.921.50) (2/2)

INDEX	DRAWING NUMBER	SHEET NO.	REV. NO.
A	UT1-C-300-CVL-DG-60002-02	2 OF 2	0A

A1 (594 x 841 MM)